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L1	40	(child children) same (parent) same (approv\$8 verif\$8) same email	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 08:01


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### 1 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**

Publisher: IBM Press

Full text available: [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

### 2 Reusable software components

July 1996 **ACM SIGAda Ada Letters**, Volume XVI Issue 4

Publisher: ACM Press

Full text available: [pdf\(2.45 MB\)](#) Additional Information: [full citation](#), [index terms](#)

### 3 A name model for nested group communication

Luping Liang, Gerald W. Neufeld, Samuel T. Chanson

August 1993 **IEEE/ACM Transactions on Networking (TON)**, Volume 1 Issue 4

Publisher: IEEE Press

Full text available: [pdf\(1.20 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#), [review](#)

### 4 Draft report of the Federal Internetworking Requirements Panel, and selected responses



Diane Fountaine

April 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 2

Publisher: ACM Press



Full text available: [pdf\(4.15 MB\)](#) Additional Information: full citation, index terms

5 Operating system's structures: Sub-operating systems: a new approach to application security

 Sotiris Ioannidis, Steven M. Bellovin, Jonathan M. Smith  
July 2002 **Proceedings of the 10th workshop on ACM SIGOPS European workshop**  
**EW10**

**Publisher:** ACM Press

Full text available: [pdf\(136.37 KB\)](#) Additional Information: full citation, abstract, references

Users regularly exchange apparently innocuous data files using email and ftp. While the users view these data as passive, there are situations when they are interpreted as code by some system application. In that case the data become "active". Some examples of such data are Java, JavaScript and Microsoft Word attachments, each of which are executed within the security context of the user, allowing potentially arbitrary machine access. The structure of current operating systems and user applicati ...

6 Guidance for the use of the Ada programming language in high integrity systems

 B. A. Wichmann  
July 1998 **ACM SIGAda Ada Letters**, Volume XVIII Issue 4

**Publisher:** ACM Press

Full text available: [pdf\(2.93 MB\)](#) Additional Information: full citation, abstract, citations, index terms

This paper is the current result of a study by the ISO HRG Rapporteur group which is being circulated for comment. Many people have contributed to this, but those who have either attended two recent meetings of group or have made substantial e-mail comments are: Praful V Bhansali (Boeing, USA), Alan Burns (University of York, UK), Bernard Carre' (Praxis Critical Systems, UK), Dan Craigen (ORA, Canada), Nick Johnson MoD, UK), Stephen Michell (Canada), Gilles Motet (DGEI/INSA, France), George Roma ...

7 Columns: Risks to the public in computers and related systems

 Peter G. Neumann  
September 2002 **ACM SIGSOFT Software Engineering Notes**, Volume 27 Issue 5

**Publisher:** ACM Press

Full text available: [pdf\(1.40 MB\)](#) Additional Information: full citation

8 Business process modeling: Use of six sigma to optimize cordis sales administration and order and revenue management process

 Angel Rivera, Joe Marovich  
December 2001 **Proceedings of the 33rd conference on Winter simulation WSC '01**

**Publisher:** IEEE Computer Society

Full text available: [pdf\(295.79 KB\)](#) Additional Information: full citation, abstract, references, citations, index terms

Cordis Corporation, a Johnson and Johnson Company, undertook a project to reduce the sales representatives administrative tasks by 50% and to optimize the Order & Revenue Management Process for its customers. The existing process was complex, consisting of numerous handoffs, nonintegrated systems, and duplication of work. Due to these issues, sales representatives and sales administration were spending too much time managing errors and non-value added tasks instead of being able to focus on the ...

9 Cooperating knowledge-based assistants for the office

◆ A. Roger Kaye, Gerald M. Karam  
October 1987 **ACM Transactions on Information Systems (TOIS)**, Volume 5 Issue 4  
Publisher: ACM Press  
Full text available: [pdf\(2.12 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This paper presents an approach to high-level support of office workers by embedding office knowledge in a network of distributed cooperating knowledge-based or expert "assistants" and servers. These knowledge-based systems incorporate both factual and procedural knowledge and are capable of making use of existing conventional office technology. They constitute a form of computer-supported cooperative work. We describe a common architecture for our assistants and servers that in ...

10 Ada Semantic Interface Specification (ASIS): frequently asked questions 

◆ Currie Colket  
July 1995 **ACM SIGAda Ada Letters**, Volume XV Issue 4  
Publisher: ACM Press  
Full text available: [pdf\(796.31 KB\)](#) Additional Information: [full citation](#), [index terms](#)

11 A secure infrastructure for service discovery and access in pervasive computing 

Jeffrey Undercoffer, Filip Perich, Andrej Cedilnik, Lalana Kagal, Anupam Joshi  
April 2003 **Mobile Networks and Applications**, Volume 8 Issue 2  
Publisher: Kluwer Academic Publishers

Full text available: [pdf\(308.34 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Security is paramount to the success of pervasive computing environments. The system presented in this paper provides a communications and security infrastructure that goes far in advancing the goal of anywhere-anytime computing. Our work securely enables clients to access and utilize services in heterogeneous networks. We provide a service registration and discovery mechanism implemented through a hierarchy of service management. The system is built upon a simplified Public Key Infrastructure t ...

**Keywords:** distributed services, extensible markup language, pervasive computing, security, smartcards

12 Atomicity in electronic commerce 

◆ J. D. Tygar  
May 1996 **Proceedings of the fifteenth annual ACM symposium on Principles of distributed computing PODC '96**  
Publisher: ACM Press  
Full text available: [pdf\(1.74 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

13 Crime and punishment in cyberspace: dealing with law enforcement and the courts 

◆ Harvey Axlerod, Daniel R. Jay  
November 1999 **Proceedings of the 27th annual ACM SIGUCCS conference on User services: Mile high expectations SIGUCCS '99**  
Publisher: ACM Press  
Full text available: [pdf\(25.17 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** ECPA, FERPA, NYS penal law, cyberlaw, evidence, police, search warrants, subpoenas

14 Migrating sockets—end system support for networking with quality of service guarantees

David K. Y. Yau, Simon S. Lam

December 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 6

**Publisher:** IEEE Press

Full text available: [pdf\(369.10 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)



**Keywords:** CPU scheduling, bandwidth scheduling, packet demultiplexing, quality of service guarantees, user level protocol

15 The Outlaw 'Net': Opposition to ICANN's New Internet Order

Enda Brophy

December 2002 **ACM SIGCAS Computers and Society**, Volume 32 Issue 4

**Publisher:** ACM Press

Full text available: [htm\(132.34 KB\)](#) Additional Information: [full citation](#), [index terms](#)



16 Flexible control of downloaded executable content

Trent Jaeger, Atul Prakash, Jochen Liedtke, Nayeem Islam

May 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 2

**Publisher:** ACM Press

Full text available: [pdf\(297.79 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



We present a security architecture that enables system and application access control requirements to be enforced on applications composed from downloaded executable content. Downloaded executable content consists of messages downloaded from remote hosts that contain executables that run, upon receipt, on the downloading principal's machine. Unless restricted, this content can perform malicious actions, including accessing its downloading principal's private data and sending messages on th ...

**Keywords:** access control models, authentication, authorization mechanisms, collaborative systems, role-based access control

17 The CHI conference: interviews with conference chairs

Steven Pemberton

January 1996 **ACM SIGCHI Bulletin**, Volume 28 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(1.29 MB\)](#) Additional Information: [full citation](#), [index terms](#)



18

NSDL: Core services in the architecture of the national science digital library (NSDL)

Carl Lagoze, William Arms, Stoney Gan, Diane Hillmann, Christopher Ingram, Dean Krafft, Richard Marisa, Jon Phipps, John Saylor, Carol Terrizzi, Walter Hoehn, David Millman, James



Allan, Sergio Guzman-Lara, Tom Kalt

July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries  
JCDL '02**

**Publisher:** ACM Press

Full text available:  pdf(940.66 KB) Additional Information: full citation, abstract, references, citings, index terms

We describe the core components of the architecture for the National Science Digital Library (NSDL). Over time the NSDL will include heterogeneous users, content, and services. To accommodate this, a design for a technical and organization infrastructure has been formulated based on the notion of a spectrum of interoperability. This paper describes the first phase of the interoperability infrastructure including the metadata repository, search and discovery services, rights management services, ...

**Keywords:** architecture, interoperability, metadata, testbeds

**19** The Ada issues: A readers' guide to the Ada issues 

 Erhard Ploedereder

May 1998 **ACM SIGAda Ada Letters**, Volume XVIII Issue 3

**Publisher:** ACM Press

Full text available:  pdf(2.84 MB) Additional Information: full citation

**20** New dynamic algorithms for shortest path tree computation 

Paolo Narváez, Kai-Yeung Siu, Hong-Yi Tzeng

December 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 6

**Publisher:** IEEE Press

Full text available:  pdf(251.39 KB) Additional Information: full citation, references, citings, index terms, review

**Keywords:** routing, shortest path trees

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**IEEE CNF** IEEE Conference Proceeding

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